

Message Text

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ORIGIN COME-00

INFO OCT-01 CIAE-00 DODE-00 EB-07 NRC-05 NSAE-00 USIA-06

TRSE-00 EUR-12 ERDA-05 ISO-00 MC-02 /038 R

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R 051900Z AUG 76

FM SECSTATE WASHDC

TO USMISSION OECD PARIS

INFO AMEMBASSY MOSCOW

C O N F I D E N T I A L STATE 194306

EXCON

E.O. 11652: XGDS-1

TAGS:ESTC, COCOM, UR

SUBJECT: EXPORT OF MULTIPLE COMPUTER SYSTEM AND COMPUTER
TEST EQUIPMENT TO THE USSR - IL 1565, IL 1584, AND IL 1358

REF; BEWT CASE NOS. A. 150537 AND LETTER AMENDMENT RE-
QUESTS, B. 181964 AND C. 190613; OC DOC NOS. 5336, 5336.1
AND 5336.2; LD NOS. 3036, AND 3025, 2/26/76 (CONTROL DATA
CORPORATION)

1) THE UNITED STATES DELEGATION IS REQUESTED TO SUBMIT THE
ATTACHED CASES TO THE COMMITTEE PURSUANT TO COCOM DOC. REG.
(73)3, PARAGRAPH 4(A).

2) THE UNITED STATES AUTHORITIES HAVE BEEN ASKED TO APPROVE
THE EXPORT TO THE USSR OF THE FOLLOWING EQUIPMENT:

A. IL 1565(D)(1) AND (D)(2) - 4,787,673 DOLLARS

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1 SEISMIC DATA PROCESSING SYSTEM CONSISTING OF:

1 TYPE CYBER 73-14 COMPUTER SYSTEM
1 TYPE HP21-M/20 COMPUTER SYSTEM
1 TYPE 50002 COMPUTER SYSTEM
2 TYPE TNR SEISMIC PLOTTER SYSTEMS
1 LOT PARTS AND ACCESSORIES FOR ABOVE

A DETAILED LISTING OF THE COMPUTER EQUIPMENT PROPOSED FOR EXPORT IS PROVIDED IN ATTACHMENT 1.

B. IL 1358 - 16,386 DOLLARS

1 TYPE 66X TAPE EXERCISER
1 BUFFER CONTROLLER MAINTENANCE CONSOLE

THE EQUIPMENT LISTED IN A AND B ABOVE WILL BE SHIPPED FROM THE UNITED STATES OR/AND FROM FRANCE, WEST GERMANY, UNITED KINGDOM, BELGIUM, AND THE NETHERLANDS SUBJECT TO AVAILABILITY.

C. IL 1584 - 4,464 DOLLARS (REEXPORT FROM AUSTRIA)

1 TYPE 475 OSCILLOSCOPE
1 TYPE 1710B OSCILLOSCOPE

3) THIS EQUIPMENT IS CONSIGNED TO THE ALL-UNION RESEARCH INSTITUTE OF GEOPHYSICAL EXPLORATION (VNII-GEOFIZIKA), MINISTRY OF GEOLOGY, CHERNYSHEVSKOGO UL. 22, MOSCOW, FOR INSTALLATION AT MOSKOVSKAYA UL. 22/7, GOROD NARO-FOMINSK 143300, MOSCOW PROVINCE (ABOUT 60 KM FROM MOSCOW), WHERE IT WILL BE USED TO EXPLORE FOR NEW OIL AND GAS FIELDS IN THE SOVIET UNION AND FOR THE DEVELOPMENT OF GEOPHYSICAL METHODS TO SUPPORT THIS ACTIVITY. THE ITEMS LISTED IN B ABOVE, WILL BE USED TO TEST OPERATING CHARACTERISTICS OF THE MAGNETIC TAPE TRANSPORTS AND CONTROLLERS INCLUDED IN THE COMPUTER SYSTEM, AND THE OSCILLOSCOPES LISTED IN C ABOVE, WILL BE USED FOR SERVICING THIS SYSTEM.

4) THE BASIC FLOW OF WORK IN THE PROPOSED SEISMIC DATA PROCESSING CENTER IS AS FOLLOWS:

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A. THE RAW DATA FROM THE FIELD, RECORDED ON 9- OR 20- TRACK MAGNETIC TAPE, WILL BE PREPROCESSED ON THE RDS 500 SYSTEM. THIS INCLUDES CONVERTING THE SEISMIC DATA TO A FORMAT ACCEPTABLE FOR THE CYBER 73, SORTING OF DATA, AND PRELIMINARY TESTING.

B. THE PREPROCESSED DATA IS THEN TRANSFERRED TO THE CYBER 73 ON 9-TRACK MAGNETIC TAPE FOR PROCESSING. A MAXIMUM OF

SIX SEISMIC JOBS CAN BE PROCESSED SIMULTANEOUSLY, THE LIMITATION DUE TO MEMORY CAPACITY AND NUMBER OF TAPE DRIVES. THE MAJOR PROCESSING STEPS ARE: DECONVOLUTION, DYNAMIC EQUALIZATION, STACKING, AND FILTERING. OTHER APPLICATIONS WHICH WILL BE PERFORMED INCLUDE: MIGRATION, LAYER'S VELOCITY ANALYSIS (INTERACTIVE MODE), AND WELL LOGGING.

THE INTERACTIVE GRAPHICS DISPLAY CONNECTED TO THE CYBER 73 ALLOWS EXPERIENCED GEOPHYSICISTS TO INFLUENCE THE PROCESSES BY VERIFYING INTERMEDIATE RESULTS, CHANGING PARAMETERS CONTROLLING VARIOUS ALGORITHMS, ETC. THE FINAL PRESENTATION OF THE PROCESSING MUST BE IN A GRAPHICAL FORMAT. THIS WILL BE ACHIEVED BY MEANS OF THE DRUM AND FLAT-BED PLOTTERS, ELECTROSTATIC PLOTTERS, AND PHOTOGRAPHIC PLOTTERS. THE TYPE 242A SUPERMATIC PROCESSOR IS REQUIRED FOR DEVELOPING THE PHOTOGRAPHIC OUTPUT. ONE HP21-M/20 IS INCLUDED IN THE INTERACTIVE GRAPHICS SYSTEM; TWO OTHERS ARE CONNECTED TO PHOTOGRAPHIC PLOTTERS.

5) COMPARISONS OF PROPOSED SYSTEM PARAMETERS WITH NOTE 12 (G) TO IL 1565 ARE PROVIDED IN ATTACHMENTS 2A, 2B, AND 2C. BLOCK DIAGRAMS OF THE PROPOSED SYSTEM ARE PROVIDED AS ATTACHMENTS 3A AND 3B.

6) DATA SHEETS ON THE TYPE 66X EXERCISER AND TYPE 475 OSCILLOSCOPE WERE DEPOSITED IN CONNECTION WITH COCOM DOCS. (76)1030 AND (74)1991, RESPECTIVELY. SPECIFICATIONS FOR THE TYPE 1710B DUAL CHANNEL OSCILLOSCOPE MAY BE FOUND ON PAGE 102 OF THE 1976 HEWLETT-PACKARD CATALOGUE.

7. ISSUANCE OF A US EXPORT LICENSE FOR THE SUBJECT TRANSACTION WILL BE CONTINGENT UPON THE CONDITIONS AS OUTLINED
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IN ATTACHMENT 4. UNITED STATES AUTHORITIES BELIEVE THESE CONDITIONS MEET AND EXCEED THOSE PRESCRIBED IN SUBITEMS (D) AND (E) OF NOTE 12 TO IL 1565.

8) THE UNITED STATES AUTHORITIES CONSIDER THIS EXPORT REASONABLE AND APPROPRIATE FOR THE STATED END-USE. THEY WISH TO APPROVE IT UNDER THE PROCEDURE SET FORTH IN COCOM DOC REG. (73)3, PARAGRAPH 4(A), AND WOULD APPRECIATE THE VIEWS OF MEMBER GOVERNMENTS.

FYI: ATTACHMENTS AIRMAILED FROM COMMERCE ON 8/4/76. END
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Message Attributes

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Disposition Approved on Date:
Disposition Authority: ShawDG
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